

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

**APPLICANT(S):** Katherina Babich  
Elbert Huang  
Arpan P. Mahorowala  
David R. Medeiros  
Dirk Pfeiffer  
Karen Temple

"Express Mail" Label No.: EV326908697US

I hereby certify that this paper is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below and is addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: *Jim Maurice* Date: August 22, 2003

**ASSIGNEE  
NAME:** International Business  
Machines Corporation

**ASSIGNEE  
RESIDENCE:** Armonk, New York

**TITLE:** **ANTIREFLECTIVE HARDMASK AND USES THEREOF**

**MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450**

**SIR:**

Enclosed are the following papers relating to the above-named application for patent:

Application - 26 pages of Specification, 6 pages of Claims and 1 page of Abstract  
1 Sheet of informal drawing(s)  
Declaration and Power of Attorney (unexecuted)

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	34 - 20 =	14	x \$18 =	\$ 252
Independent Claims	3 - 3 =	0	x \$84 =	\$ 0
Multiple Dependent Claim(s), if applicable			\$ 280 =	\$ 0
Basic Fee				\$ 750
TOTAL FEE:				\$1,002

Please file the application and charge **International Business Machines Corporation's Deposit Account No. 50-0510** the amount of \$1,002 to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation's Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

19704 U.S. PTO  
10/646307  
08/22/03

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 1300 Post Road, Suite 205, Fairfield, CT 06824.** Telephone calls should be made to the under-signed attorney at (203) 255-6560.

Respectfully,

A handwritten signature in black ink, appearing to read "Michael J. Chang", with a stylized flourish at the end.

Date: August 22, 2003

Michael J. Chang  
Attorney for Applicants  
Reg. No. 46,611  
Ryan, Mason & Lewis, LLP  
1300 Post Road, Suite 205  
Fairfield, CT 06824  
(203) 255-6560